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$$= \frac{1}{6a} \int_0^a \int_0^x \left( \frac{2w^2}{x} + 3x - 3w \right) dx dw = \frac{1}{36a} \int_0^a 13x^2 dx = \frac{13a^2}{108}.$$

This problem was also solved by Professors *Matz and Droughon*.

### BOOKS.

*An Examination Manual in Plane Geometry.* By G. A. Wentworth and G. A. Hill, 8 vo., cloth, 138 pp. Price, \$0.50. Boston: Ginn & Co.

This little manual is designed to give elementary instruction in the art of handling original theorems and problems to supply a series of graded test-papers which can be used not merely as tests of knowledge actually obtained, but also as means of developing and strengthening the power to originate and carry on a logical train of thought. Teachers of geometry will find this little volume quite interesting and useful.

*A History of Mathematics.* By Florian Cajori, Formerly Professor of Applied Mathematics in the Tulane University of Louisiana; now Professor of Physics in Colorado College. 8 vo., cloth, 422 pp. Price \$3.50. New York: Macmillan & Co.

After having read this admirable work, I take great pleasure in recommending it to all students and teachers of mathematics. The development and progress of mathematics have been traced by a master pen and in the true spirit of the historian from its humble origin on the banks of the Nile down to the present time.

Who does not want to know something of that science to which more than to any other single branch of human knowledge, we owe our present state of civilization? Every mathematician should procure a copy of this work. Students who have a taste for mathematics should study this book and be inspired to higher aims and nobler aspirations by the efforts and achievements of Descartes, Pascal, Fermat, Newton, Euler, Lagrange, Laplace, and hundreds of others who have enriched the science of mathematics a thousand fold by their genius.

Professor Cajori has carefully garnered the grain and burned the chaff. The book is written in a clear and pleasing style.

Colleges and Universities should not be slow to include this work as a textbook to be pursued in the mathematical course, not to add a greater burden to the already over taxed brain of the student but to relieve it from the monotony of routine class work.

In some future issue of the MONTHLY, Dr. Halsted will give an article on this important book.

### ERRATA.

p. 111, (in some copies of this issue) 3d line in first paragraph handsomly should read handsomely.

p. 113, (in some copies of this issue) last line in 1st paragraph *cousa* should read *causa*.

p. 113, (in some copies of this issue) 3d line in 5th paragraph *sequoitur* should read *sequitur*.

p. 123, near middle of the page,  $\therefore \bar{x}=0$  should read  $\bar{y}=0$ .

p. 123, near middle of page, interger should read *integer*.